

## **ABSTRACT**

The present invention relates to a method of coupling at least one (conventional) unit processing data in a sequential manner, e.g. a CPU, von-Neumann-Processor and/or  
5 microcontroller, the (conventional) unit for data processing comprising an instruction pipeline, and an array for processing data comprising a plurality of data processing cells, e.g. a preferably coarse grain and/or preferably runtime reconfigurable data processor, FPGA, DFP, DSP, XPP or chaameleon-technology-like data processing fabric, wherein the array is coupled to the instruction pipeline.